

FE 128

WIRE DRAG

Diagram No. 8556-2

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

(HYDROGRAPHIC)

Type of Survey Wire Drag
Field No. PF-1154WD
Office No..... FE-128WD

LOCALITY

State Alaska
General Locality .. North End of Kodiak Island
Locality Whale Passage

19 54

CHIEF OF PARTY
K.G. Crosby

LIBRARY & ARCHIVES

DATE October 27, 1954

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as;

FE No.7 1954WD

FE 128
WIRE DRAG

FE No. 7

FE No. 7

Diag. Cht. No. 8556-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. PF-1154W.D. Office No. F.E.No. 7, 1954
Wire Drag

LOCALITY

State ALASKA

General locality NORTH END OF KODIAK ISLAND

Locality WHALE PASSAGE

194/54

CHIEF OF PARTY

K. G. Crosby

LIBRARY & ARCHIVES

DATE OCT 27 1954

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. F.E. No. 7, (1954)

Wire Drag.

Field No. PF-1154 W.D.

State ALASKA

General locality North End of Kodiak Island

Locality Whale Passage

Scale 1 : 10,000 Date of survey 13-16 May, 1954

Instructions dated December 14, 1954; Suppl. Instr. dated January 25, 1954

Vessel PATHEFINDER- Launches #1, #2, & #4

Chief of party K. G. Crosby

Surveyed by A.C. Thorson, P.A. Weber & W.F. Deane

Soundings taken by fathometer, graphic recorder, hand lead, wire

Fathograms scaled by

Fathograms checked by

Protracted by

Soundings penciled by

Soundings in fathoms feet at MLW MLLW

Drag Strip & Soundings in feet at MLLW

REMARKS:

DESCRIPTIVE REPORT

To Accompany

HYDROGRAPHIC SURVEY F.E. No. 7, 1954

(Field No. PF-1154)WD

WHALE PASSAGE

ALASKA

SCALE 1:10,000

1954

USC&GSS PATHFINDER

Capt. K. G. Crosby, Comdg.

Wire Drag Operations:
F.E. No. 7, (1954)

Comdr. A. C. Thorson
Comdr. W. F. Deane
Comdr. P. A. Weber

C5-360 (Dec 14, 1953)

1. Wire drag investigations were required by the Instructions in two localities. See F.E. No. 7 (1954) for specific drag strips.

a. A vessel drawing 22 feet reported striking an obstruction 300 to 400 yards, 72° true, from Ilkognak Rock Light. This area (Lat. 57°54.9', Long. 152°46.6') was investigated.

(1) A drag with an effective depth of 30 feet, towed northwestward, grounded on a 14.4-foot spot (found by handlead) in Lat. 57°54.8~~5~~7', Long. 152°46.44', about 200 meters southeast of the reported obstruction, before reaching the spot to be investigated.

(2) A drag with an effective depth of 13 feet, towed northwestward, cleared the 14.4-foot spot and the area of the reported obstruction.

(3) A drag with an effective depth of 29 feet, towed eastward, parted over the previously dragged areas.

(4) A drag with an effective depth of 25 feet, towed southeastward, grounded near the far buoy but the guide launch swept around and cleared the area of the reported obstruction, thus disproving it. The ground near the far buoy was at a depth of 22.8 feet (handlead) in Lat. 57°55.03', Long. 152°46.60' which had to be investigated.

* 21.0 ft by hand lead pos. 16 d

(5) A drag with an effective depth of 22 feet was towed westward to clear the 22.8-foot spot but grounded because of a rapid current change. This drag was repeated with an effective depth of 18 feet and cleared the 22.4² foot sounding.

b. A vessel (draft unknown) reported grounding in Lat. 57°55'25", Longitude 152°48'40" while on a course of 297° true and heading on Koniuji Island with Ilkognak Rock Light directly astern. This area was investigated. A drag with an effective depth of 31 feet, towed eastward, cleared the area of the reported grounding.

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Hydrography and Topography~~

5 November 1954

Division of Charts: R. H. Carstens:

Plane of reference approved in

2 volumes of ~~sounding records~~ wire drag records for

~~HYDROGRAPHIC SHEET~~

F. E. No. 7 1954

Locality Whale Passage, Kodiak Island, Alaska

Chief of Party: K. G. Crosby in 1954

Plane of reference is mean lower low water, reading

5.7 ft. on tide staff at Uzkosti Point

15.5 ft. below B. M. 1 (1954)

Height of mean high water above plane of reference is 10.1 feet.

Condition of records satisfactory except as noted below:

E. C. McKay

Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. F.E. No. 7, 1954
Wire Drag

Name on Survey	On Chart No.		On previous survey No.		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A	B	C	D	E	F	G	H	K							
															1	
															2	
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Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E. No. 7, 1954 Wire Drag.

Records accompanying survey:

Boat sheets 2...; sounding vols.; wire drag vols. 2....;
bomb vols.; graphic recorder rolls;
special reports, etc. 1 Smooth Sheet; 1 Area-Depth Overlay; 1 Descriptive
Report (made up)

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	.....	84
Number of positions checked	.....	17
Number of positions revised	.....	0
Number of soundings revised (refers to depth only)	.....	0
Number of soundings erroneously spaced	.....	0
Number of signals erroneously plotted or transferred	.....	0
Topographic details	Time	0
Junctions	Time	0
Verification of soundings from graphic record	Time	1

Verification by In Jeskind Total time 27.. Date 12-16-54

Reviewed by In Jeskind Time 5 Date 12-16-54

Review of Field Examination No. 7, 1954

1. This wire-drag field examination was made in compliance with paragraphs 11 and 12 of Instructions for CS-360, dated 14 December 1953.
2. The purpose of the field examination was as follows:
 - a. To prove or disprove the existence of a submerged object 300 to 400 yards 72° true from Ilknognak Light (Lat. $57^{\circ}54.9'$, Long. $152^{\circ}46.6'$).
 - b. To prove or disprove the existence of a shoal in the vicinity of lat. $57^{\circ}55'25''$, long. $152^{\circ}48'40''$, where a vessel of unknown draft grounded.
3. The results of the field examination are noted in the Descriptive Report and are shown on the accompanying smooth sheet and A and D sheet. Although the area noted in paragraph (a) above was wire-dragged to an effective depth of 25 ft., no submerged object was found. The reported obstruction is considered to be disproved. The area referred to in paragraph (b) above was wire-dragged to an effective depth of 31 ft. and the reported shoal disproved.
4. A comparison between contemporary hydrographic survey H-8118 (1954) and the wire-drag field examination shows no conflicts between the soundings on H-8118 and the effective wire-drag depths on the field examination. Several soundings from the field examination have been carried forward to H-8118.
5. A comparison between the field examination and Chart 8534, dated May 26, 1954, shows no conflicts between the charted depths and the effective wire-drag depths. However, the obstructions with 5-fm. clearance depths charted in lat. $57^{\circ}54.92'$, long. $152^{\circ}46.57'$, and lat. $54^{\circ}55.40'$, long. $152^{\circ}48.65'$, from advance information of F. E. 7, 1954 (Chart letter 490, 1954) are considered disproved by the present investigation and soundings on survey H-8118, and should be disregarded.

Several other wire-drag clearances over shoals or reported obstructions have been carried forward to the chart from chart letter 490, 1954 and are in adequate agreement with the present information.

6. The Descriptive Report adequately covers all other matters pertaining to this examination. No further discussion is considered necessary.

16 December 1954

I. M. Zeskind

Inspected by - R.H. Carstens

F.E.No.7,1954
WIRE DRAG SURVEY
WHALE PASSAGE, ALASKA
Scale-1:10,000 Sheet 1 of 2



1924
F.E. No. 7
TO ACCOMPANY H

152° 50'

49'

48'

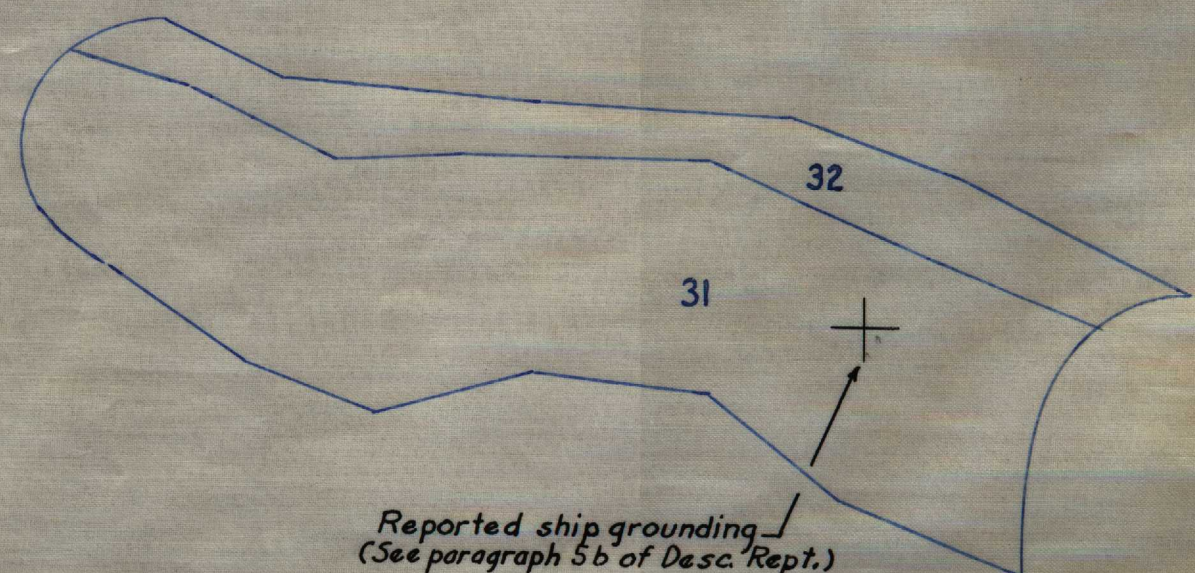
47'

46'

152° 45'

44'

56'



{Actual sounding 21 ft.
{Cleared by 13 ft.
{See paragraph 1a-4 & 5
of Desc. Rept.

Rept. Obstruction disproved
Cleared by 25 ft.
(See paragraphs 1, 2, 3 & 4 of Desc. Rept.)

Cleared by 13 ft.
(See paragraph 1a-2 of Desc. Rept.)

F. E. No. 7, 1954
A & D DIAGRAM
WHALE PASSAGE, ALASKA
Scale 1:10,000 Sheet 2 of 2

57° 55'

152° 50'

49'

48'

47'

46'

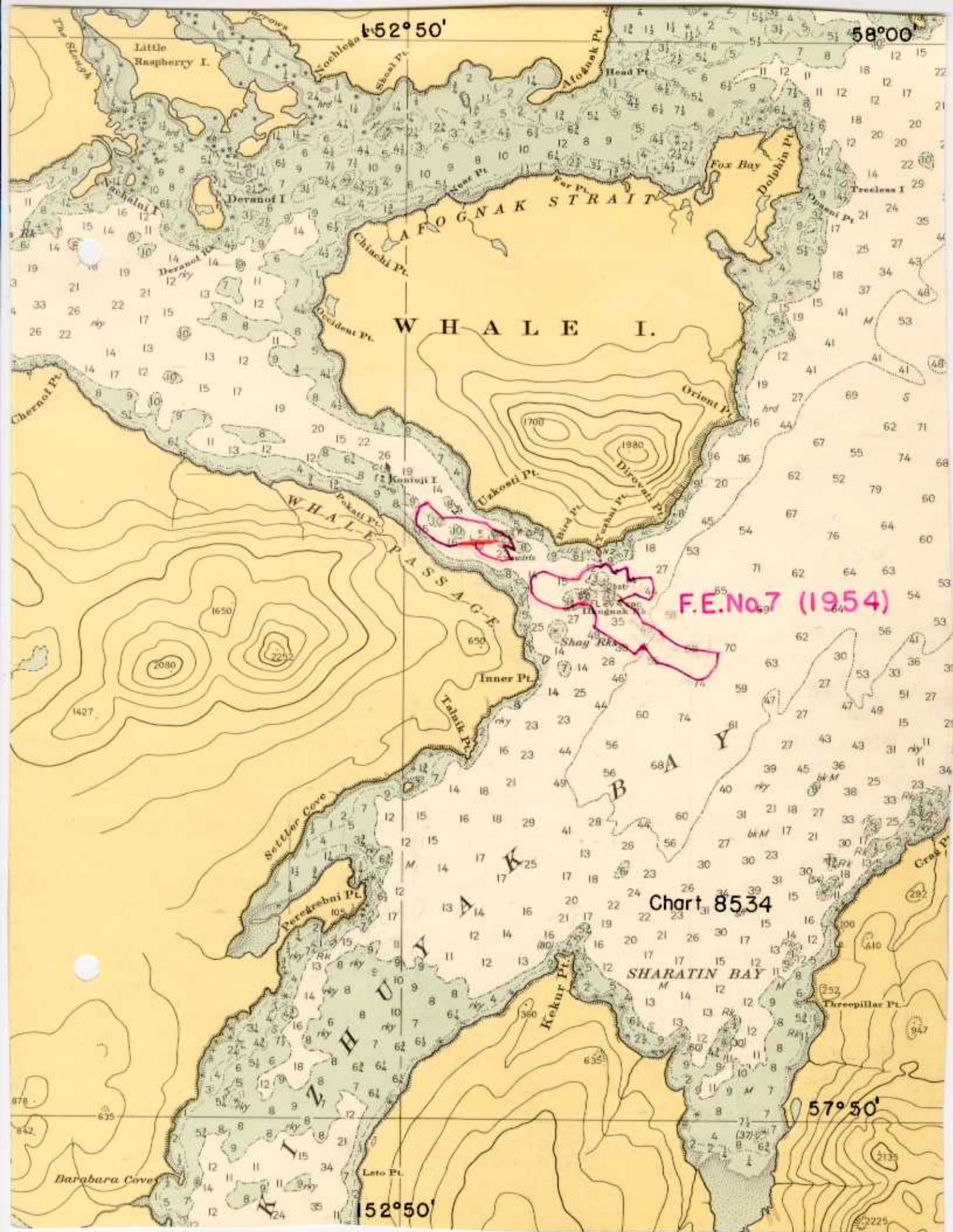
152° 45'

44'

54'

AREA-DEPTH OVERLAY
PF 1154 (WD)

1924
F.E. No. 7
TO ACCOMPANY H



NAUTICAL CHARTS BRANCH

SURVEY NO. F.E. No.7,1954 Wire Drag

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.